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G3472 (80)	-----MAES-----DNESGGHTGNASGSN-----
G3473 (52)	-----MADS-----DNDSGGAHNGGKGS-----
G3474 (82)	-----MAES-----DNESGGHTGNASGSN-----
G3435 (48)	-----MPDS-----DNDSGGPSN-AGG-----
G3397 (92)	-----MPDS-----DNDSGGPSNYAGG-----
G3436 (50)	-----MPDS-----DNESGGPSN--A-----
G3398 (76)	-----MPDS-----DNESGGPSN--AG-----
G3475 (20)	-----MADS-----DNDSGGAHNAGKG-----
G3478 (86)	-----MADS-----DNDSGGAHNGGKG-----
G3476 (18)	-----MAES-----DNDSGGAQNAAGNSGNL-----
G485 (6)	-----MADS-----DNDSGGHKDGGN-----
G482 (4)	-----MGDS-----DRDSGGGQNGNNQNGQ-----
OSC30077 (31)	MKSRKSYGHLSPVGPPL-----DNESGEAAAAAAGGGCGSSAGYVVYGG
G3471 (24)	-----MSDAPPSP-----THESGGEQSPRGSS-----
G3477 (84)	-----MSDAPASP-----SHESGGEQSPRGSL-----
G3470 (26)	-----MSDAPASP-----SHESGGEQSPRGSL-----
G481 (2)	-----MADTPSSP-----AGD-GGESG-----
G1364 (8)	-----MAESQAKSP-----GGCGSHESGGDQSPR-----
G2345 (10)	-----MAESQTGG-----GGGGSHESGGDQSPR-----
AP004366 (110)	-----MADA-----GHDESGSPPRSGGVR-----
G3434 (78)	-----MADD-----GGSHEGSG-GGGGVR-----
G3394 (88)	-----MADGPGSPG-----GGGGSHESGSPRGGGGGGG-----
G1781 (72)	-----MTEESPEEDHGSPGVAETNPSPSSKTNNNNN-----
G1248 (70)	-----MAGNYHSFQNPPIPRYQNYNFGSSSNHQHEHDGLVV-----VVEDQ
G486 (111)	-----
G1821 (112)	-----MAEGSMRPP-----EFNQPKNKTSNGGEE-----
Consensus (113)	M D GG

FIGURE 6A

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	DNA binding domain	Subunit interaction
G3472 (80)	---EFGCREQDRFLPIANVSRIMKKALPANAKISKEAKETVQECVSEFISFIT-GEASD	↓
G3473 (52)	---EMS-PREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFHSPPGGLAG	
G3474 (82)	---ELSGCREQDRFLPIANVSRIMKKALPANAKISKEAKETVQECVSEFISFIT-GEASD	
G3435 (48)	---ELSSPREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G3397 (92)	---ELSSPREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G3436 (50)	---EFSSPREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G3398 (76)	---EYASAREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G3475 (20)	---SEMSPREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G3478 (86)	---SEMSPREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G3476 (18)	---SELSPREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G485 (6)	----ASTREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G482 (4)	---SSLSPREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFVT-GEASD	
OSC30077 (31)	GGGDSPAKEQDRFLPIANVSRIMKRSALPANAKISKESKETVQECVSEFISFVT-GEASD	
G3471 (24)	----SG-AREQDRYLPIANISRIMKKALPPNGKIAKDAKDTMQECVSEFISFIT-SEASE	
G3477 (84)	----SGAAREQDRYLPIANISRIMKKALPPNGKIAKDAKDTMQECVSEFISFIT-SEASE	
G3470 (26)	----SGAAREQDRYLPIANISRIMKKALPPNGKIAKDAKDTMQECVSEFISFIT-SEASE	
G481 (2)	----GSVREQDRYLPIANISRIMKKALPPNGKIGKDAKDTVQECVSEFISFIT-SEASD	
G1364 (8)	----SLHVREQDRFLPIANISRIMKRGPLPANGKIAKDAKEIVQECVSEFISFVT-SEASD	
G2345 (10)	----SLNVREQDRFLPIANISRIMKRGPLPANGKIAKDAKETMQECVSEFISFVT-SEASD	
AP004366 (110)	-----EQDRFLPIANISRIMKKAVPANGKIAKDAKETLQECVSEFISFVT-SEASD	
G3434 (78)	-----EQDRFLPIANISRIMKKAVPANGKIAKDAKETLQECVSEFISFVT-SEASD	
G3394 (88)	--GGGGLVREQDRFLPIANISRIMKKAIPANGKIAKDAKETVQECVSEFISFIT-SEASD	
G1781 (72)	-----NNKEQDRFLPIANVGRIMKKVLPGNGKISKDAKETVQECVSEFISFVT-GEASD	
G1248 (70)	QQEESMMVKEQDRLLPIANVGRIMKNILPANAKVSKEAKETMQECVSEFISFVT-GEASD	
G486 (111)	-----MTDEDRLLPIANVGRIMKQIILPSNAKISKDAKETVQECATEFISFVT-CEASE	
G1821 (112)	-----ECTVREQDRFMPIANVIRIMRRIIPAHAKISDDSKETIQECVSEYISFIT-GEANE	
Consensus (113)	EQDRFLPIANVSRIMK ALPANAKISKDAKETVQECVSEFISFIT GEASD	

FIGURE 6B

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+ G3472 (80) KCQKEKRKTINGDDLLWAMTTLGFEEYVEPLKVYLHKYRELEGEKTAMMG-----
G3473 (52) ECQKEKRKTINGDDLLWAMTTLGFEEYVEPLKVYLHKYRELEGEKTAMMG-----
G3474 (82) KCQKEKRKTINGDDLLWAMTTLGFEDYVDPLKIYLHKYREMEGEKTAMMG-----
G3435 (48) KCQREKRKTINGDDLLWAMTTLGFEDYVEPLKHYLHKFREIEGERAAASAGASGSQQ--
G3397 (92) KCQREKRKTINGDDLLWAMTTLGFEDYVDPLKHYLHKFREIEGERAAASTGAGTSAA--
G3436 (50) KCQREKRKTINGDDLLWAMTTLGFEDYVEPLKLYLHKFRELEGEKAATTSASSGPQPLH
G3398 (76) KCQREKRKTINGDDLLWAMTTLGFEDYIDPLKLYLHKFRELEGEKAIGAAGSGGGAASS
G3475 (20) KCQREKRKTINGDDLLWAMTTLGFEDYVEPLKGYLQRFREMEGEKTVAAR-----
G3478 (86) KCQREKRKTINGDDLLWAMTTLGFEDYVEPLKGYLQRFREMEGEKTVAAR-----
G3476 (18) KCQREKRKTINGDDLLWAMTTLGFEEYVEPLKIYLQRFREMEGEKTVAAR-----
G485 (6) KCQREKRKTINGDDLLWAMTTLGFEDYVEPLKVYLQKYREVEGEKTTTAGR-----
G482 (4) KCQKEKRKTINGDDLLWAMTTLGFEDYVEPLKVYLQRFREIEGERTGLGRP-----
OSC30077 (31) KCQREKRKTINGDDLLWAMTTLGFEEYVVGPKSYLNRYREAEGEKGADVLGGAGAAARH
G3471 (24) KCQKEKRKTINGDDLLWAMATLGFEDYIEPLKVYLARYREAEGDTKGSARS-----
G3477 (84) KCQKEKRKTINGDDLLWAMATLGFEDYIEPLKVYLARYREAEGDTKGSARS-----
G3470 (26) KCQKEKRKTINGDDLLWAMATLGFEDYIEPLKVYLARYREAEGDTKGSARS-----
G481 (2) KCQKEKRKTVNGDDLLWAMATLGFEDYLEPLKIYLARYRELEGDNKGSGKS-----
G1364 (8) KCQREKRKTINGDDLLWAMATLGFEDYMEPLKVYLMRYRE--GDTKGSAGK-----
G2345 (10) KCQREKRKTINGDDLLWAMATLGFEDYIDPLKVYLMRYREMEGDTKSGKG-----
AP004366 (110) KCQKEKRKTINGEDLLFAMGTLGFEEYVDPLKIYLHKYREMEGDSKLSKA-----
G3434 (78) KCQKEKRKTINGDDLLWAMATLGFEEYVEPLKIYLQKYKEMEGDSKLSKA-----
G3394 (88) KCQREKRKTINGDDLLWAMATLGFEDYIEPLKVYLQKYREMEGDSKLTAKA-----
G1781 (72) KCQREKRKTINGDDIIWAI TTTLGFEDYVAPLKVYLCKYRDTGEKVNPKQ-----
G1248 (70) KCHKEKRKTVNGDDICWAMANLGFDDYAAQKKYLRHRYRVLEGEKPN-----
G486 (111) KCHRENKTVNGDDIWWALSTGLDNYADAVGRHLHKYREAEREERTEHNKG-----
G1821 (112) RCQREQRKTTI AEDVLWAMSKLGFDDYIEPLTLYLHRYRELEGERGVSCSAG-----
Consensus (113) KCQREKRKTINGDDLLWAMTTLGFEDY EPLKVYL YRE EGE

B domain

FIGURE 6C

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G3472 (80) -----RPHERDEGYGH-----ATPMM-IMMGHQ-----
G3473 (52) -----RPHERDEGYGH-----ATPMM-IMMGHQ-----
G3474 (82) -----RPHERDEGYGHGH-----HATPMMTMMMGHPQHGH-----
G3435 (48) --QQGELPRGAANAAG-YAGYGAPG-----SG-GMMMMMMGQPMYGGSQPQ-
G3397 (92) --STTPPQQQHTANAAGGYAGYAAPG-----AGPGMMMMMMGQPMYGSPPP-
G3436 (50) RETTPSSSTHN--GAGGPVGGYGMYGGA-----GGSGMIMMMGQPMYGGSPPA-
G3398 (76) GSGSGSGSHHHQDASRNNGGYMGY-----GGGMIIMMMGQPMYG-SPPA-
G3475 (20) --DKDAPPTNATNSAYESPAAAA-----PGGIMMHQGHVYG-----
G3478 (86) --DKDAPPLTNATNSAYESANYAAAA-----AVPGGIMMHQGHVYG-----
G3476 (18) --DSSK---DSASASSY-----HQQGHVYG-----
G485 (6) --QGDKEGGGGGAGSGSGGAPMYG-----GGMVTTMGHQFS-----
G482 (4) --QTGGEVGEHQDVGDDGGGYGG-----GGMQYHQQHQL-----
OSC30077 (31) GEGCGGGGGGADGVVIDGHYPLAGGLSHSHHGHQQDGGDGLMMGGDAGVGNAG
G3471 (24) --GDGSATPD-QVGLAGQNSQLVHQ-----SLNYIGLQVQP-----
G3477 (84) --GDGSATPD-QVGLAGQNSQLVHQ-----SLNYIGLQVQP-----
G3470 (26) --GDGSARPD-QVGLAGQNAQVQPQX-----SG--YAFNARP-----
G481 (2) --GDGSNRDA-GGVSGEEMPSW-----
G1364 (8) --GDPNAKKDQSSQNGQFSQLAHQG-----PYGNSQ-----
G2345 (10) --GESSAKRDGQPSQVSQFSQVPQQG-----SFSQGPYGNSQSLRFGNSIEH
AP004366 (110) --GDGSVKKDTIGPHSGASSSSAQG-----MVGAYTQGMGY-----
G3434 (78) --GEGSVKKDAISPHGGTSSSSNQLV-----QHGVTYNQGMGY-----
G3394 (88) --GDGSVKKDVLGSHGGSSSAQGMG-----QQAAYNQGMGY-----
G1781 (72) --QQQRQQQQQIQQNHHNYQFQEQDQNNNN-----MSCTSYISHHHPSFPLPVDHQ-
G1248 (70) -----HHGKG-----
G486 (111) --SNDSGNEKE-----TNTRS-----
G1821 (112) --SVSMTNGLVVKRPNGTMTYGAYG-----PVPGIHMAQYHYR-----

FIGURE 6D

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+ G3472 (80) -----QQQHQG--HVGSGGTT-----TGSASSARTR-----
G3473 (52) -----QQQHQG--HVGSGGTT-----TGSASSARTR-----
G3474 (82) -----QHQHQHG--HVGSG-----GSASSARTR-----
G3435 (48) --QPPPPQPPQQQQHQQHHMAMGGRGFGQQ--GGGGSSSSGLGRQDRA-----
G3397 (92) -----PPQQQQQH--HHMAMGGRGFGHHPGGGGSSSSSGHGRQNRGA-----
G3436 (50) --ASSG-----SYPHH--QMAMGGKGAYYGGSSSSPS--GLGR-----
G3398 (76) --SSAGYAQPPPHHHH--QMVMGGKG--AYGHGGGGGGPSSSGYGRQDRL-----
G3475 (20) -----SAGFH--QVAGGAIK-----GGPVYPPGGSNAGRPR-----
G3478 (86) -----SAGFH--QVAGGAIK-----GGPAYPPGGSNAGRPR-----
G3476 (18) -----SPAYH--HQVP-----GPTYAPG--RPR-----
G485 (6) -----HHFS-----
G482 (4) -----HQQNHMYGATGGGDS-----GGAASGRTRT-----
OSC30077 (31) AGSTTTAFYAPAATAASGNKAYCGGDSRVMEFEGIGGEEESGGGGGFGAGHLHGV
G3471 (24) -----QHLVMPMQSHE-----
G3477 (84) -----QHLVMPMQSHE-----
G3470 (26) -----
G481 (2) -----
G1364 (8) -----VTFFLFSSHSSN-----THH--SLLIC-----
G2345 (10) LEVLMSSSTRTLFITIFRDSTMPVVSLENLSDPLSIDMDCEAIYHHFIGLLILSCK-----
AP004366 (110) -----MQPQSNFHILVVLQSFAPYMYQVAQIYCKYPSIE-----
G3434 (78) -----MQPQ-----YHNGET-----
G3394 (88) -----MQPQ-----YHNGDVSN-----
G1781 (72) -----PPFNIAFSPKSLQKQ-----FPQHDNNIDSIHW-----
G1248 (70) -----GPKSSP-----DN-----
G486 (111) -----DVQNQSTK-----FIRVVEKGSSSSAR-----
G1821 (112) -----HQNGFVFSGNEPNKMSGSSSGASGARVEVFTQQHKY-----

FIGURE 6E

+	G3472 (80)	-----
	G3473 (52)	-----
	G3474 (82)	-----
	G3435 (48)	-----
	G3397 (92)	-----
	G3436 (50)	-----
	G3398 (76)	-----
	G3475 (20)	-----
	G3478 (86)	-----
	G3476 (18)	-----
	G485 (6)	-----
	G482 (4)	-----
	OSC30077 (31)	QWFLKRNTN
	G3471 (24)	-----
	G3477 (84)	-----
	G3470 (26)	-----
	G481 (2)	-----
	G1364 (8)	-----
	G2345 (10)	-----
	AP004366 (110)	-----
	G3434 (78)	-----
	G3394 (88)	-----
	G1781 (72)	-----
	G1248 (70)	-----
	G486 (111)	-----
	G1821 (112)	-----

FIGURE 6F